

We Claim:

1. A blood processing system comprising
a first container to receive blood for
centrifugal processing into a first component and a
second component comprising plasma,

a second container to receive the second
component from the first container, and
a filter to remove cellular species from the
second component.

2. A blood processing system according to
claim 1

wherein the first component comprises red
blood cells.

3. A blood processing system according to
claim 1

further including a filter to remove
leukocytes from the first component in a downstream
flow direction from the first container.

4. A blood processing system according to
claim 1

further including a filter to remove
leukocytes from blood in an upstream flow direction
from the first container.

5. A blood processing system according to
claim 1

further including a transfer container to
receive the first component from the first container.

6. A blood processing system according to
claim 5

further including a filter located between
the first container and the transfer container to
remove leukocytes from the first component.

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7. A blood processing system according to
claim 1

wherein the filter to remove cellular species from the second component is located in an upstream flow direction from the second container.

8. A blood processing system according to
claim 1

wherein the filter to remove cellular species from the second component is located between the first container and the second container.

9. A blood processing system according to
claim 1

wherein the filter to remove cellular species from the second component is located in a downstream flow direction from the second container.

10. A blood processing system according to
claim 1

further including a transfer container communicating with the second container in a downstream flow direction from the second container.

11. A blood processing system according to
claim 10

wherein the filter to remove cellular species from the second component is located between the second container and the transfer container.

12. A blood processing system according to
claim 1

further including an auxiliary container holding an additive solution.

13. A blood processing system according to
claim 12

wherein the auxiliary container communicates

with the first container.

14. A blood processing system according to
claim 12

wherein the auxiliary container communicates
with the second container.

15. A blood processing system according to
claim 14

wherein the filter to remove cellular
species from the second component is located between
the second container and the auxiliary container.

16. A blood processing system according to
claim 12

wherein the auxiliary container communicates
with both the first and second containers.

17. A blood processing system according to
claim 16

wherein the filter to remove cellular
species from the second component is located between
the second container and the auxiliary container.

18. A blood processing method comprising
processing whole blood using a system as defined in
claim 1.

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